

Land Department, E. & N. Railway Company

INSTRUCTIONS TO LAND SURVEYORS

All surveys shall be tied to the boundary of some area previously surveyed.

All lines shall be run to the cardinal points of the compass, and the magnetic variation used shall be noted in the Field Book, and no jog shall be less than twenty chains in length. Lines of over twenty chains in length shall be run in multiples of five chains.

Transits, theodolites, or other instruments, independent of the magnetic needle, must be used in running lines.

Posts shall not be less than four inches square, four feet out of the ground, and scribed with the number of the Lot or Block and shall be numbered consecutively from the initial post.

All posts shall be squared two feet from the top, pointed at the top to shed the water, and securely placed in the ground where practicable. Pieces of charcoal or marked stones shall be placed under each post and the fact noted in the Field Book.

On rocks or where it is impossible to sink posts, they shall be surrounded by a cairn of rocks at least thirty inches high, base to be three feet square.

Three bearing trees shall be taken for every post, the trees being marked B. T., with distance from post, and faced towards the post; where no bearing trees are available, the fact shall be noted in the Field Book. The lines through timber shall be thoroughly blazed, the blazes to be made on each tree, quartering on the line, so as to be easily distinguished and traced.

No tree shall be blazed at a greater distance than six feet on either side of the line.

All line trees shall be notched with three notches on each side in the direction of the line, and their size, kind of timber, and distance from the last post, shall be given in the Field Notes.

In completing the survey, no gore or broken parcels of land shall remain between the parcels being surveyed and the boundaries of any land previously surveyed.

Field Books must be ruled up the centre of the page to represent the line that is being run, and the notes kept from the bottom towards the top, with sketches on each side. On each page must be given the number of Lot or Block, and the bearing of the line (true or magnetic) and the direction in which it has been run.

The first entry in the Field Book each morning shall be the date. The surveyor shall make full notes as he proceeds of the character of the country, nature of the soil, lakes, timber, etc., on both sides of the line.

One fair copy written in ink shall be sent to the E. & N. Land Agent as soon as practicable after the completion of the survey. The acreage shall be written in pencil on the plan and in the Field Book.

Plans must be plotted on a scale of four inches to a mile, except in cases where the area is too small to be shown by this scale, showing all the information contained in the notes, with number of page in the Field Book written on each line, and a tracing on linen sent with, but not pasted in, the Field Book.

The chaining must be as correct as possible, and the chain frequently tested by a standard measure.

All streams or rivers that are crossed shall be noted, also their width, volume and direction.

Bearings, and distances to bearing trees, shall be carefully noted, also the kind of timber, and the size of the trees.

All roads and trails, with the directions whence and whither shall be carefully noted.

The Field Books shall be in the form supplied by the Government, and the "General Instructions" (except as to clauses 4, 5 and 16) therein shall be carefully followed.

The Field Notes must be sworn to as correct by the surveyor before a notary, prior to their acceptance by the Land Agent.

L. H. SOLLY,
Land Agent.